

Safety Alert

ARTC No. 126
Issued 31/08/2020

Loose Wheel Nuts and ARTC Vehicles

This alert has been issued to raise awareness of an incident where a team member was travelling along the Kamilaroi Highway in a Toyota Landcruiser 70 series wagon when during the journey, the driver noticed in the passenger mirror the rear left-hand wheel was vibrating. The driver immediately stopped in a safe location and inspected the wheel which identified 3 missing wheel nuts and 2 broken wheel studs.

Initial investigation found the rims used were alloy as shown below. These are non-compliant with ARTC's rim requirements due to previous experiences with structural fatigue issues

Rims (Non-Compliant) - **X**



Immediate Actions:

Confirm Landcruiser's, RRV or non-RRV are fitted with the required Heavy Duty Mine Spec Kings Rims as shown below. Further information can be found via the below link, http://www.kingwheels.com.au/index.php?route=product/product&path=65&product_id=408

If any ARTC Landcruiser's (RRV and non-RRV) are fitted with any other rims besides the required rims. please contact ARTC's Fleet Manager Ian Newton 0447 609 051.

Arrange for wheel nuts to be checked with a tyre brace to ensure they're not loose

Ongoing Actions:

- Drivers are reminded to do a walk around of the vehicle on a daily basis, this includes a visual inspection of the wheel nut indicators
- Drivers are to check tyre pressure in accordance with manufacturers recommendations as part of the vehicle pre-start inspection checklist. If tyre pressure gauges are required, please speak to your leader.

- All drivers to ensure that the correct wheel nut is used – the wheel nut below is to be used with King Rims

Compliant Nut (40mm)



Compliant Rims (King Rims)



For your action

1. Place Safety Alert on display and make copies of this alert available to people who report to you (without regular email access) and ensure that the contents of the safety alert are discussed/explained to your staff. If engaging contractors, ensure they are made aware of current ARTC Safety Alerts.
2. Ensure a method of sign-off is obtained (e.g. via toolbox/safety meetings/morning briefings etc) to verify that the Safety Alert has been distributed and discussed. If you have any safety concerns with this Safety Alert, please speak directly to your leader.

Further information

All Safety Alerts issued can be [found here](#).

For further information contact Ian Newton, Fleet Manager Corporate Services and Safety